

Executive Host Information 2005
Placement Week November 15-19, 2004

Office Name: NOAA Satellite – Office of Research & Applications / Oceanic Research & Applications Division

Position Title: Coral Reef Watch researcher etc.

How many total staff are in your immediate office / branch? (Select one option, mark with X)

1-5	
6-10	
> 10	X

Have you previously hosted a Sea Grant fellow (Select one option, mark with X)

Yes	X
No	

If yes, how many?

If fellow is currently on assignment, please provide contact information.

Name	(Last Sea Grant Fellow went to Princeton Univ)
Tel	
Email	

Does your office accept non-United States (foreign) citizens? (Select one option, mark with X)

Yes	X
No	

Organizational Overview

Mission Statement: (Please limit to 30 words.) The Oceanic Research and Applications Division (ORAD) of NESDIS (National Environmental Satellite Data and Information Service) /ORA (Office of Research & Applications) provides the primary research and development support for oceanic remote sensing within NOAA.

Brief Overview of Your Office's work: (Please limit to 150 words.)

Scientific programs include sea surface temperature algorithms and analyses, ocean color, marine bio-optics, sea-surface wind measurements, satellite altimetry, oceanic rainfall measurements, synthetic aperture RADAR applications, and coastal monitoring tools in such programs as CoastWatch and the Coral Bleaching research. Ocean remote sensing is a major initiative in NOAA science.

Do you have partnership projects, multi-agency workgroups, or working relationships with other offices? Please list.

All NOAA Line Offices – specifically NWS, NOS, NMFS, OAR
World Bank (Global Environmental Facility – GEF)
NASA
Australia (Coral work)

Assignment Description.

It is understood that the fellow's specific responsibilities will be tailored to his / her unique skills and interests. Please articulate probable assignments and duties and the education / professional development that these tasks will bring to the fellow.

Estimated Fellow Travel, Out-of-Office: (Select one option, mark with X)

0 days / month	
1-3 days / month	X
4-7 days / month	
8-10 days / month	
> 2 weeks / month	

Estimated DC-Area Travel: (Select one option, mark with X)

0 days / month	
1-3 days / month	X
4-7 days / month	
8-10 days / month	
> 2 weeks / month	

Does this position require mandatory skills: (Select one option, mark with X)

Yes	X
No	

If yes, please list. (e.g. SCUBA certification, Spanish fluency, etc.).

Appreciation of remote sensing and research in marine ecosystem and /or oceanography
--

Desired Background Skills: Please list. (e.g. strong written / communication skills, knowledge of Microsoft PowerPoint software, etc.).

Strong written / communication skills

Good computer skills – PowerPoint etc.
--

Researcher

In 300 words or less, please describe the tasks, duties, or projects the fellow will undertake, the skills a fellow will gain, and the deliverables a fellow can expect to produce from completing these tasks.

In ORAD the Fellow will have an opportunity to work with remote sensing satellite data under a senior mentor to gain appreciation of its potential as a tool for applications in oceanography. Examples of several areas of possible research range from developing environmental indices to assess coral reef health, wind speed and surface roughness over the ocean surface, mapping ocean color and relating this to ocean productivity, and even the possibility of developing climate trends from these data sets.